

## AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

1. (Currently Amended) An air dryer module, ~~supply system for a heavy motor vehicle brake system comprising:~~
- 5     a housing;  
      an air dryer mounted to the housing;  
      a purge reservoir mounted to the housing and communicating with the air dryer;  
      and  
      a port in said housing for communicating dried air from the air dryer to a service reservoir, a first portion of dried air passing from the air dryer to the purge reservoir, a  
10    second portion of the dried air passing from the air dryer to the service reservoir, and  
      the first portion of the dried air not commingling with the second portion of the dried  
      air.
- ~~a compressor for supplying compressed air;~~  
      ~~an air dryer connected to receive compressed air from said air compressor~~  
15    ~~including a desiccant bed through which the compressed air can flow to provide a clean~~  
      ~~and dry compressed air source for operating the brake system;~~  
      ~~a secondary reservoir;~~  
      ~~a housing connecting said air dryer and said secondary reservoir together as a~~  
      ~~unitary module;~~  
      ~~a primary reservoir located away from said secondary reservoir;~~  
20    ~~control components disposed in said housing for controlling air flow from said~~  
      ~~air compressor through said air dryer for charging said primary reservoir and said~~  
      ~~secondary reservoir with compressed air;~~  
      ~~a purge volume formed integral with said secondary reservoir; and,~~

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~~said control components also control air flow from said purge volume through said air dryer desiccant bed to atmosphere to purge said air dryer.~~

2. - 10. (Canceled)

11. (New) The air dryer module as set forth in claim 1, further including:  
a valve for controlling passage of the second portion of the dried air between the air dryer and the service reservoir.

12. (New) The air dryer module as set forth in claim 11, wherein the valve is a protection valve.

13. (New) The air dryer module as set forth in claim 11, wherein the valve is a check valve.

14. (New) The air dryer module as set forth in claim 1, wherein the first portion of the dried air passes from the purge reservoir to the air dryer for regenerating a desiccant in the air dryer.

15. (New) The air dryer module as set forth in claim 1, wherein the service reservoir is located remote from the housing.

16. (New) The air dryer module as set forth in claim 15, wherein the service reservoir is located remote from the purge reservoir.

17. (New) The air dryer module as set forth in claim 1, wherein:  
the air dryer is mounted to a first side of the housing; and  
the purge reservoir is mounted to a second side of the housing.

18. (New) The air dryer module as set forth in claim 1, wherein the purge reservoir is independent of the air dryer.

19. (New) The air dryer module as set forth in claim 1, wherein the first portion of the dried air passes from the air dryer to the purge reservoir before the second portion of the dried air passes from the air dryer to the service reservoir.

20. (New) An air dryer module, comprising:  
a housing;  
an air dryer mounted to the housing; and  
a purge volume mounted to the housing and in fluid communication with the air  
5 dryer via the housing.

21. (New) The air dryer module as set forth in claim 20, further comprising:  
a first port in the housing for passing a first portion of dried air between the air  
dryer and the purge volume; and  
a second port in the housing for passing a second portion of the dried air  
5 between the air dryer and a service reservoir, the first port being independent from the  
second port.

22. (New) The air dryer module as set forth in claim 21, wherein a first  
portion of dried air passes from the air dryer to the purge reservoir before a second  
portion of the dried air passes from the air dryer to the service reservoir, the first portion  
of the dried air being different from the second portion of the dried air.

23. (New) The air dryer module as set forth in claim 21, wherein:  
a first portion of dried air passes from the air dryer to the purge reservoir;  
a second portion of the dried air passes from the air dryer to the service  
reservoir; and  
5 the first portion of the dried air is different from the second portion of the dried  
air.

24. (New) The air dryer module as set forth in claim 21, wherein the first  
and second ports include respective connections.

25. (New) The air dryer module as set forth in claim 21, wherein the purge  
reservoir is independent from the air dryer.

26. (New) The air dryer module as set forth in claim 20, wherein:  
the air dryer is mounted to a first side of the housing; and  
the purge volume is mounted to a second side of the housing.

27. (New) An air dryer module for use on a vehicle, comprising:  
a housing;  
an air dryer mounted to the housing;

5 a purge volume mounted to the housing and in fluid communication with the air  
dryer via the housing; and

a first port in said housing for communicating dried air from the air dryer to a  
purge volume, a second port in said housing for communicating dried air from the air  
dryer to a service volume, a first portion of the dried air passing between the air dryer  
and the purge volume via the first port, a second portion of the dried air passing  
10 between the air dryer and the service volume via the second port, the first port being  
independent from the second port.

28. (New) The air dryer module as set forth in claim 27, wherein the first  
and second ports include respective connections.

29. (New) The air dryer module as set forth in claim 27, wherein the first  
portion of the dried air is independent from the second portion of the dried air.

30. (New) The air dryer module as set forth in claim 27, wherein the first  
portion of the dried air passes between the air dryer and the purge volume before the  
second portion of the dried air passes between the air dryer and the service volume.

31. (New) The air dryer module as set forth in claim 27, further including:  
means for controlling passage of the second portion of the dried air.

32. (New) The air dryer module as set forth in claim 31, wherein the means  
for controlling includes a protection valve.

33. (New) The air dryer module as set forth in claim 31, wherein the means for controlling includes a purge valve.

34. (New) The air dryer module as set forth in claim 27, further including:  
means for controlling passage of the first portion of the dried air, wherein the means for controlling purges the air dryer by causing the first portion of the dried air to pass from the purge volume to the air dryer.

35. (New) The air dryer module as set forth in claim 34, wherein the means for controlling includes a purge valve.

36. (New) The air dryer module as set forth in claim 34, wherein the service volume is located remote from the purge volume.

37. (New) The air dryer module as set forth in claim 36, wherein the service volume is located remote from the air dryer.

38. (New) A method for charging an air brake system and regenerating an air dryer, the method comprising:

providing a housing having a first side and a second side, an air dryer being mounted on the first side and a purge chamber being mounted on the second side;

5        passing first dried air from the air dryer to the purge chamber via a first passage in the housing;

      passing second dried air from the air dryer to a service chamber, which is in fluid communication with the air dryer, via a second passage in the housing communicating with the air dryer and the service chamber, the first dried air not being  
10       commingled with the second dried air; and

      passing the first dried air from the purge chamber to the air dryer via the first passage.

39. (New) The method for charging an air brake system and regenerating an air dryer as set forth in claim 38, wherein the step of passing the second dried air includes:

passing the second dried air through a protection valve.

40. (New) The method for charging an air brake system and regenerating an air dryer as set forth in claim 38, further including:

causing the first dried air to pass from the purge chamber to the air dryer.

41. (New) The method for charging an air brake system and regenerating an air dryer as set forth in claim 40, wherein the causing the first dried air to pass from the purge chamber to the air dryer includes:

passing the first dried air through a desiccant in the air dryer.

42. (New) A compressed air reservoir, comprising:

a purge chamber;

a service chamber;

a baffle defining the purge and service chambers;

5 a first passageway for transmitting first dried compressed air between a dryer and the purge chamber; and

a second passageway for transmitting second dried compressed air between the dryer and the service chamber, the first dried compressed air being transmitted between the dryer and the purge chamber before the second dried compressed air is transmitted  
10 between the dryer and the service chamber.

43. (New) The compressed air reservoir as set forth in claim 42, further including:

a valve, which controls passage of the second dried compressed air between the dryer and the service chamber via the second passageway.

44. (New) The compressed air reservoir as set forth in claim 43, wherein the valve is a protection valve.

45. (New) The compressed air reservoir as set forth in claim 42, wherein the first dried compressed air in the purge chamber is transmitted to the dryer via the first passageway for regenerating a desiccant in the dryer.

46. (New) The compressed air reservoir as set forth in claim 42, wherein the second passageway is a tube between the dryer and the service chamber.

47. (New) The compressed air reservoir as set forth in claim 46, wherein the tube passes through the purge chamber.

48. (New) The compressed air reservoir as set forth in claim 42, wherein a volume of the purge chamber is smaller than a volume of the service chamber.

49. (New) A method for storing compressed air in a compressed air reservoir, the method comprising:

5 providing the compressed air reservoir including a purge chamber in fluid communication with an air dryer, a service chamber in fluid communication with the air dryer, and a baffle defining the purge and service chambers;

pressurizing the purge chamber with first dried compressed air from the air dryer; and

after the purge chamber is pressurized with the first dried compressed air, pressurizing the service chamber with second dried compressed air from the air dryer.

50. (New) The method for storing compressed air as set forth in claim 49, further comprising:

depressurizing the purge chamber to regenerate the air dryer.

51. (New) The method for storing compressed air as set forth in claim 50, wherein depressurizing the purge chamber includes:

transmitting the first dried compressed air from the purge chamber to the air dryer without commingling the first dried air and the second dried air.

52. (New) The method for storing compressed air as set forth in claim 49, wherein pressurizing the service chamber includes:

controlling a valve between the service chamber and the air dryer.

51. (New) The method for storing compressed air as set forth in claim 49, further including:

depressurizing the service chamber to operate a compressed air system.